

For Research Use Only

# CoraLite® Plus 488 Anti-Rat CD11b (OX42)



Catalog Number: **CL488-65229**

## Basic Information

<b>Catalog Number:</b> CL488-65229	<b>GenBank Accession Number:</b> NM_012711	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 0.5 mg/ml	<b>GeneID (NCBI):</b> 25021	<b>CloneNo.:</b> OX42
<b>Source:</b> Mouse	<b>Full Name:</b> integrin alpha M	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG2a, kappa	<b>Calculated MW:</b> 127 kDa	

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
Rat

## Background Information

Integrins are cell adhesion receptors that are heterodimers composed of non-covalently associated  $\alpha$  and  $\beta$  subunits (PMID: 9779984). CD11b, also known as Integrin alpha M or CR3A, belongs to the integrin alpha chain family. CD11b forms an  $\alpha/\beta$  heterodimer with CD18 (integrin  $\beta$ 2). CD11b/CD18 is implicated in various adhesive interactions of monocytes, macrophages and granulocytes as well as in mediating the uptake of complement-coated particles and pathogens (PMID: 9558116; 20008295). CD11b/CD18 is a receptor for the complement protein fragment iC3b, and is also a receptor for fibrinogen, factor X and ICAM1 (PMID: 2971974; 15485828).

## Storage

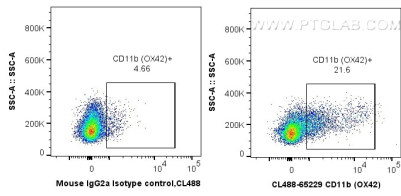
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide.

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



1X10<sup>6</sup> rat splenocytes were surface stained with 0.5 ug CoraLite® Plus 488 Anti-Rat CD11b (CL488-65229, Clone:OX42) or 0.5 ug Isotype Control. Cells were not fixed.